Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1061	((710/1) or (712/38) or (700/278)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/21 13:33
S2	1	S1 and (PLC or controller) and (EPROM and program) and kernel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 13:34
S3	190	(@ad<="19991026" or @rlad<="19991026") and (((re adj programmable) or reprogrammable) adj2 memory).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:24
S4	2103	(@ad<="19991026" or @rlad<="19991026") and ("programmable logic controller" or PLC).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 13:30
S5	21	((((@ad<="19991026" or @rlad<="19991026") and (((re adj programmable) or reprogrammable) adj2 memory).ab.) or ((@ad<="19991026" or @rlad<="19991026") and ("programmable logic controller" or PLC).ab.)) and (compil$4 same (program near8 execut$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 13:54
S6	3	((((@ad<="19991026" or @rlad<="19991026") and (((re adj programmable) or reprogrammable) adj2 memory).ab.) or ((@ad<="19991026" or @rlad<="19991026") and ("programmable logic controller" or PLC).ab.)) and ((load$4 or compil$4) near5 (executable or binary or (user adj program) or code) near6 (flash or reprogrammable or PROM or EPROM))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 13:43
S7	4583	(@ad<="19991026" or @rlad<="19991026") and (programming same (programmable or reprogrammable or EPROM or flash)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 13:54

S8	45	((@ad<="19991026" or @rlad<="19991026") and ("programmable logic controller" or PLC).ab.) and ((@ad<="19991026" or @rlad<="19991026") and (programming same (programmable or reprogrammable or EPROM or flash)).ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 13:54
S9	10	(((@ad<="19991026" or @rlad<="19991026") and ("programmable logic controller" or PLC).ab.) and ((@ad<="19991026" or @rlad<="19991026") and (programming same (programmable or reprogrammable or EPROM or flash)).ab.)) and (compil$4 or (program near8 execut$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 14:01
S10	1	"6247168".URPN.	USPAT	OR	ON	2003/06/21 13:57
S11	1	2002-187124.NRAN.	DERWENT	OR	OFF	2003/06/21 13:58
S12	4	((compiler or compiling or compilation) near5 (PLC or "logic controller")).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 14:10
S13	224	((program near8 stor$4) and (PLC or "logic controller")).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 14:11
S14	15	(@ad<="19991026" or @rlad<="19991026") and (((re adj programmable) or reprogrammable) adj2 memory) and (PLC or "logic controller")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 17:06
S15	149	(@ad<="19991026" or @rlad<="19991026") and (((program near8 stor$4) and (PLC or "logic controller")).ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 14:19
S16	15	(executable or program or code or binary) same ((EPROM or (programmable adj2 memory)) near5 (PLC or "logic controller"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 15:26

S17	705	(PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 15:46
S18	618	(@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:15
S19	1	(@ad<="19991026" or @rlad<="19991026") and (((re adj programmable) or reprogrammable) adj2 memory) and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 15:47
S20	90	(((@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))) and ((((re adj programmable) or reprogrammable) adj2 memory) or PROM or EEPROM or flash)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 18:02
S21	4420	(PLC or ("micro controller" and program$5) or "logic controller"). ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 15:35
S22	5	((((@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))) and ((((re adj programmable) or reprogrammable) adj2 memory) or PROM or EEPROM or flash)) and "717"/$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 15:36
S23	39	(PLC or (programmable adj2 controller)) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 15:47

S24	36	(@ad<="19991026" or @rlad<="19991026") and ((PLC or (programmable adj2 controller)) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 16:15
S25	3	(((@ad<="19991026" or @rlad<="19991026") and ((PLC or (programmable adj2 controller)) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))) and ((((re adj programmable) or reprogrammable) adj2 memory) or EPROM or PROM or flash)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 16:10
S26	4	((PLC or (programmable adj2 controller)) near8 compiler) and ((((re adj programmable) or reprogrammable) adj2 memory) or EPROM or PROM or flash)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 16:13
S27	223	(burn$4 or programming) near4 (EPROM or flash) and (programmable adj4 (controller$1 or processor$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 16:15
S28	104	(@ad<="19991026" or @rlad<="19991026") and compiler and ((convert$4 or translat$4 or compil$4) near5 (executable$1 or binary or "machine code")) and programmable.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 18:01
S29	2	((burn$4 or programming) near4 (EPROM or flash) and (programmable adj4 (controller$1 or processor$1))) and ((@ad<="19991026" or @rlad<="19991026") and compiler and ((convert$4 or translat$4 or compil$4) near5 (executable$1 or binary or "machine code")) and programmable.ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 16:27
S30	8	(("5964890") or ("5566344") or ("5590373") or ("5495593")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/21 16:33

S31	2	((("5964890") or ("5566344") or ("5590373") or ("5495593")).PN.) and ((programmable adj2 controller) or (sequenc$4 or compiler))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 16:34
S32	15	(US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-4969083-$).did. or (US-20010025294-$).did.	US-PGPUB; USPAT	OR	OFF	2003/06/21 16:42
S33	1	((US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-4969083-$).did. or (US-20010025294-$).did.) and ((operating adj system) near5 (programmable adj2 controller))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 17:32
S34	10	((US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-4969083-$).did. or (US-20010025294-$).did.) and ((programmable adj2 controller) or PLC)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 17:39
S35	6	("5432927" | "5467286" | "5603086" | "5701492" | "5794054" | "5835761").PN.	USPAT	OR	ON	2003/06/21 17:34
S36	9	(((US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-4969083-$).did. or (US-20010025294-$).did.) and ((programmable adj2 controller) or PLC)) and (EPROM or compiler)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 17:37

S37	1	(((US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-4969083-$).did. or (US-20010025294-$).did.) and ((programmable adj2 controller) or PLC)) and (EPROM and compiler)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 17:54
S38	1440	((PLC and DSP) or ((programmable adj2 controller) and (signal adj processor$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 17:59
S39	9	(((PLC and DSP) or ((programmable adj2 controller) and (signal adj processor$1)))) and (EPROM and compiler)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 17:54
S40	229	((PLC same DSP) or ((programmable adj2 controller) same (signal adj processor$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 17:59
S41	160	(@ad<="19991026" or @rlad<="19991026") and (((PLC same DSP) or ((programmable adj2 controller) same (signal adj processor$1))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 18:17
S42	41	((@ad<="19991026" or @rlad<="19991026") and (((PLC same DSP) or ((programmable adj2 controller) same (signal adj processor$1))))) and ((((re adj programmable) or reprogrammable) adj2 memory) or PROM or EEPROM or flash)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 18:17
S43	38	co-simulation and EEPROM	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 18:17
S44	17	(@ad<="19991026" or @rlad<="19991026") and (co-simulation and EEPROM)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 18:17

S45	15	((@ad<="19991026" or @rlad<="19991026") and (co-simulation and EEPROM)) and (PLC or (programmable adj2 logic))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 18:19
S46	12	(((@ad<="19991026" or @rlad<="19991026") and (co-simulation and EEPROM)) and (PLC or (programmable adj2 logic))) and ((stor$4 or burn$ or flash$4) near3 EEPROM)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/21 18:19
S47	2	("6026230").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/22 11:49
S48	15	(US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-6205513-$ or US-4969083-$ or US-4178634-$ or US-6026230-$).did.	USPAT	OR	OFF	2003/06/22 12:21
S49	3	((US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-6205513-$ or US-4969083-$ or US-4178634-$ or US-6026230-$).did.) and compiler and PLC and programmable	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/06/22 13:42
S50	4766	((717/168-178,140-167) or (703/13) or (700/18-19) or (711/103,171)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/06/22 13:44
S51	0	("(((embeddedorinternal)adj2RAM) same(microcontrollerorCPU))and(PLCor"programmablelogiccontroller")").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/16 10:26
S52	33	((((embedded or internal) adj2 RAM) same (microcontroller or CPU)) and (PLC or "programmable logic controller")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/16 11:03

S53	20	((((embedded or internal) adj2 RAM) same (microcontroller or CPU)) and (PLC or "programmable logic controller")) and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/16 11:05
S54	9	("5113093" | "5251304" | "5416919" | "5511211" | "5530818" | "5537601" | "5732246" | "5767865" | "5771361").PN.	USPAT	OR	ON	2004/01/16 10:51
S55	4	(("5113093" | "5251304" | "5416919" | "5511211" | "5530818" | "5537601" | "5732246" | "5767865" | "5771361").PN.) and (PLC or "programmable logic controller" or re-programmable or EPROM)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/16 10:55
S56	3	((("5113093" | "5251304" | "5416919" | "5511211" | "5530818" | "5537601" | "5732246" | "5767865" | "5771361").PN.) and (PLC or "programmable logic controller" or re-programmable or EPROM)) and ((internal adj3 RAM) or (RAM near5 EEPROM))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/16 10:56
S57	1	"5978943".URPN.	USPAT	OR	ON	2004/01/16 11:01
S58	20	("5331681" | "5425036" | "5548717" | "5566088" | "5572664" | "5630048" | "5701417" | "5717704" | "5764650" | "5768382" | "5771240" | "5790568" | "5909544" | "5942981" | "5968192" | "5978943" | "5982681" | "6256758" | "6286114" | "6415393").PN.	USPAT	OR	ON	2004/01/16 11:02
S59	1	(("5331681" | "5425036" | "5548717" | "5566088" | "5572664" | "5630048" | "5701417" | "5717704" | "5764650" | "5768382" | "5771240" | "5790568" | "5909544" | "5942981" | "5968192" | "5978943" | "5982681" | "6256758" | "6286114" | "6415393").PN.) and (((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/16 11:05

S60	1201	(((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/16 11:05
S61	666	((((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic")) and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/16 11:06
S62	40	(((((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic")) and (@ad<="19991026" or @rlad<="19991026")) and "programmable logic controller"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/16 11:06
S63	20	(US-4178634-$ or US-6463339-$ or US-4969083-$ or US-6201996-$ or US-6205513-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5251304-$ or US-5511211-$ or US-5537601-$ or US-5732246-$).did.	USPAT	OR	OFF	2004/01/16 11:06
S64	40	((((((embedded or internal) adj2 (EEPROM or RAM)) or (RAM near3 EEPROM)) and (PLC or "programmable logic")) and (@ad<="19991026" or @rlad<="19991026")) and "programmable logic controller") not ((US-4178634-$ or US-6463339-$ or US-4969083-$ or US-6201996-$ or US-6205513-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5251304-$ or US-5511211-$ or US-5537601-$ or US-5732246-$).did.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/16 11:06
S65	8	"5802389".URPN.	USPAT	OR	ON	2004/01/16 11:11

S66	23	(US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$).did.	USPAT	OR	OFF	2004/05/21 08:09
S67	2	((US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$).did.) and (watchdog adj2 timer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:20
S68	126	((PLC or (programmable adj2 controller)) same ("input/output" or "I/O" or bios or kernel or "operating system")) and (watchdog adj2 timer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:16
S69	634	(@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 09:01
S70	39	(((@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))) and ((PLC or (programmable adj2 controller)) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:24

S71	0	(((@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))) and ((PLC or (programmable adj2 controller)) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))) and (((PLC or (programmable adj2 controller)) same ("input/output" or "I/O" or bios or kernel or "operating system")) and (watchdog adj2 timer))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:16
S72	1	(((PLC or (programmable adj2 controller)) same ("input/output" or "I/O" or bios or kernel or "operating system")) and (watchdog adj2 timer)) and ((((@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))) not ((((@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))) and ((PLC or (programmable adj2 controller)) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:16

S73	39	(((@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary))))) and ((PLC or (programmable adj2 controller)) near8 (compiler or (compil$6 adj2 (function$5 or task$1 or user)) or ((translat$4 or conver$5) near3 (executable or binary))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:38
S75	1	(((PLC or (programmable adj2 controller)) same ("input/output" or "I/O" or bios or kernel or "operating system")) and (watchdog adj2 timer)) and ((@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary)))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 17:04
S76	80	(((PLC or (programmable adj2 controller)) same ("input/output" or "I/O" or bios or kernel or "operating system")) and (watchdog adj2 timer)) and ((((("re-programmable" or EPROM) or reprogrammable) adj2 memory) or PROM or EEPROM or flash)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 09:01
S77	20	((((PLC or (programmable adj2 controller)) same ("input/output" or "I/O" or bios or kernel or "operating system")) and (watchdog adj2 timer)) and ((((("re-programmable" or EPROM) or reprogrammable) adj2 memory) or PROM or EEPROM or flash)) and compil$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:23
S78	1	(((((PLC or (programmable adj2 controller)) same ("input/output" or "I/O" or bios or kernel or "operating system")) and (watchdog adj2 timer)) and ((((("re-programmable" or EPROM) or reprogrammable) adj2 memory) or PROM or EEPROM or flash)) and compil$4) and kernel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:33

S79	5	(((PLC or (programmable adj2 controller)) same ("input/output" or "I/O" or bios or kernel or "operating system")) and (watchdog adj2 timer)) and kernel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:28
S80	31	(((programmable adj2 controller) same (I/O operations or "operating system" or input/output functions or (port near3 communicat$5))) and watchdog and (compil$4 same (program or instruction))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:30
S81	3	(((programmable adj2 controller) same (I/O operations or "operating system" or input/output functions or (port near3 communicat$5))) and watchdog and (compil$4 same (program or instruction))) and (((@ad<="19991026" or @rlad<="19991026") and ((PLC or micro controller) near8 (compiler or (compil$6 adj2 (function$5 or task$1)) or ((translat$4 or conver$5) near3 (executable or binary)))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:31
S82	3	(((programmable adj2 controller) same (I/O operations or "operating system" or input/output functions or (port near3 communicat$5))) and watchdog and (compil$4 same (program or instruction))) and kernel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:36
S83	2	((US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$).did.) and kernel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:37

S84	1	(((US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$).did.) and kernel) and (PLC or (programmable adj2 controller))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:39
S85	4	(((US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$).did.) and (PLC or (programmable adj2 controller)) and (power-up or boot$4 or initiali$5 or reboot$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 09:13
S86	2	("6,192,282").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:51
S87	1	(("6,192,282").pn.) and (PLC or (programmable adj2 controller)) and (power-up or boot$4 or initiali$5 or reboot$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:52
S88	1	((("6,192,282").pn.) and (PLC or (programmable adj2 controller)) and (power-up or boot$4 or initiali$5 or reboot$4)) and (programmable near4 memory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:56

S89	1	((US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$).did.) and Agrawal.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 08:59
S90	79	(PLC or (programmable adj2 controller)) same ((single adj chip) or single-chip)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 09:01
S91	13	((PLC or (programmable adj2 controller)) same ((single adj chip) or single-chip)) and (((("re-programmable" or EPROM) or reprogrammable) adj2 memory) or PROM or EEPROM or flash)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 09:01
S92	9	(@ad<="19991026" or @rlad<="19991026") and (((PLC or (programmable adj2 controller)) same ((single adj chip) or single-chip)) and (((("re-programmable" or EPROM) or reprogrammable) adj2 memory) or PROM or EEPROM or flash))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 09:01
S93	5	((@ad<="19991026" or @rlad<="19991026") and (((PLC or (programmable adj2 controller)) same ((single adj chip) or single-chip)) and (((("re-programmable" or EPROM) or reprogrammable) adj2 memory) or PROM or EEPROM or flash))) and (PLC or (programmable adj2 controller)) and (power-up or boot$4 or initiali$5 or reboot$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 09:13

S94	29	(US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$ or US-4292666-$ or US-4570217-$ or US-6192282-$).did. or (US-4754393-$).did. or (US-20030225955-$ or US-20020016639-$).did.	US-PGPUB; USPAT	OR	OFF	2004/05/21 10:41
S95	1	(programmable adj2 controller) and (external adj2 memory) and EPROM and Kaiser.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 13:32
S96	7	((US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$ or US-4292666-$ or US-4570217-$ or US-6192282-$).did. or (US-4754393-$).did. or (US-20030225955-$ or US-20020016639-$).did.) and (watchdog adj timer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 12:06

S97	6	(((US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$ or US-4292666-$ or US-4570217-$ or US-6192282-$).did. or (US-4754393-$).did. or (US-20030225955-$ or US-20020016639-$).did.) and (watchdog adj timer)) and (programmable adj2 controller)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 12:06
S98	5	(@ad<="19991026" or @rlad<="19991026") and ((((US-4969083-$ or US-4178634-$ or US-6205513-$ or US-6463339-$ or US-6201996-$ or US-6263487-$ or US-6249711-$ or US-5857093-$ or US-5321603-$ or US-5287548-$ or US-5524244-$ or US-5590373-$ or US-5566344-$ or US-5495593-$ or US-6026230-$ or US-5978943-$ or US-5732246-$ or US-5537601-$ or US-5511211-$ or US-5251304-$ or US-5978897-$ or US-5802389-$ or US-5042004-$ or US-4292666-$ or US-4570217-$ or US-6192282-$).did. or (US-4754393-$).did. or (US-20030225955-$ or US-20020016639-$).did.) and (watchdog adj timer)) and (programmable adj2 controller))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/05/21 12:09
S13 2	2	"5179716".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 10:58
S13 4	38	(disk-on-chip)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 12:26

S13 6	5	S134 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:05
S14 0	31	((16-bit and DOS) or "4GW") and (extend$3 near3 dos)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 13:07
S14 1	29	S140 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 08:30
S14 2	709	((watchdog near2 timer) or kernel) same (boot-up or reboot or BIOS)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/20 17:06
S14 3	355	S142 and (kernel same BIOS)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 07:50
S14 4	709	((watchdog near2 timer) or kernel) same (boot-up or reboot or BIOS)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 07:50
S14 5	355	S144 and (kernel same BIOS)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 07:50
S14 6	31	((16-bit and DOS) or "4GW") and (extend$3 near3 dos)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 08:30
S14 7	29	S146 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 08:55
S14 8	173	(S144 and S145) and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:15

S149	3	S148 and (kernel same BIOS same watchdog)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 08:59
S150	4	S148 and (BIOS same watchdog)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:01
S151	115	(embedded near5 (microcontroller or ASIC or (single adj chip))) and (firmware o flash or prom or re-programmable or EEPROM) and (compil$4) and (kernel or bios or watchdog)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:07
S152	1	S148 and S151	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:04
S153	61	S151 and (user adj3 (program or code or compiled))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:08
S154	5	S153 and (compiled same (user adj3 program))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:09
S156	37	S153 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:26
S157	5	RIO and Odom.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:25
S158	1	S157 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:37
S159	2	"6311149".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:31

S16 0	6	("6311149").URPN.	USPAT	OR	ON	2004/12/21 09:35
S16 1	2	S160 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:49
S16 2	4	("6064721" or "6052755").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:42
S16 3	1	S157 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:49
S16 5	37	S153 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:58
S16 6	37	S165 and S151	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:57
S16 7	21	Ginter.in. and SPU and firmware and kernel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 09:58
S16 8	21	S167 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 14:10
S16 9	11	S168 and @ad<="19991026"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 10:03
S17 2	11	S169 and (emulation or (user near3 program))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 10:23

S175	2	"5590305".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 11:45
S176	38	(US-20020016639-$ or US-20030225955-$ or US-20030163298-$).did. or (US-4178634-$ or US-4292666-$ or US-4527247-$ or US-4570217-$ or US-4754393-$ or US-4969083-$ or US-5042004-$ or US-5179716-$ or US-5251304-$ or US-5287548-$ or US-5321603-$ or US-5495593-$ or US-5511211-$ or US-5524244-$ or US-5537601-$ or US-5566344-$ or US-5590373-$ or US-5732246-$ or US-5802389-$ or US-5857093-$ or US-5978897-$ or US-5978943-$ or US-6026230-$ or US-6192282-$ or US-6201996-$ or US-6205513-$).did. or (US-6249711-$ or US-6263487-$ or US-6463339-$ or US-6324644-$ or US-5906315-$ or US-5195130-$ or US-6405320-$ or US-6636936-$ or US-6427140-$).did.	US-PGPUB; USPAT	OR	ON	2004/12/21 11:52
S177	14	S176 and (kernel or BIOS)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 11:52
S178	5	S177 and (programmable adj logic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 12:40
S179	4	S178 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 11:53
S180	11	"5519843".pn. or ("Flash File System").ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 12:45
S183	2	"5404485".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 12:50

S18 4	38	(US-20020016639-$ or US-20030163298-$).did. or (US-4178634-$ or US-4292666-$ or US-4527247-$ or US-4570217-$ or US-4754393-$ or US-4969083-$ or US-5042004-$ or US-5179716-$ or US-5251304-$ or US-5287548-$ or US-5321603-$ or US-5495593-$ or US-5511211-$ or US-5524244-$ or US-5537601-$ or US-5566344-$ or US-5590373-$ or US-5732246-$ or US-5802389-$ or US-5857093-$ or US-5978897-$ or US-5978943-$ or US-6026230-$ or US-6192282-$ or US-6201996-$ or US-6205513-$).did. or (US-6249711-$ or US-6263487-$ or US-6463339-$ or US-6324644-$ or US-5906315-$ or US-5195130-$ or US-6405320-$ or US-6636936-$ or US-6427140-$ or US-5404485-$).did.	US-PGPUB; USPAT	OR	ON	2004/12/21 13:29
S18 5	11	S184 and (PLC or (PLD and controller) or "programmable logic controller") and (EEPROM or PROM or flash or firmware or SRAM)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 13:41
S18 6	2	S184 and ((single adj chip) near5 (PLC or (programmable adj2 controller)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 14:11
S18 7	2	S184 and ((single-chip) near5 (PLC or (programmable adj2 controller)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 13:50
S18 8	0	S187 and (kernel or BIOS or watchdog or bootup or reboot or power-up)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 13:51
S18 9	0	S187 and (kernel or BIOS or watchdog or bootup or reboot or power-up or boot$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 13:52
S19 0	4	S184 and (kernel or BIOS or watchdog or bootup or reboot or power-up or boot$4) and ("programmable logic" near4 controller)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 14:01

S19 1	0	S172 and ("programmable logic" near4 controller)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 14:08
S19 2	260	(watchdog or kernel) same ("programmable logic" or (programmable near4 controller) or PLC)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 14:10
S19 3	178	S192 and (@ad<="19991026" or @rlad<="19991026")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 14:10
S19 4	0	S193 and ((single adj chip) near5 (PLC or (programmable adj2 controller)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 14:11
S19 5	0	S193 and ((single-chip) near5 (PLC or (programmable adj2 controller)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 14:11
S19 6	41	S193 and ((user near3 program) and (PLC or (programmable adj2 controller)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 14:14
S19 7	38	S196 not Kodosky.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 15:21
S19 8	2	("4,754,393").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/21 15:21